



# 1998 Toxics Release Inventory

## SOUTH CAROLINA

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	48,644,586	44,357,654	93,002,240
Air Emissions	43,284,655	13,821,268	57,105,923
Surface Water Discharges	3,343,152	8,486	3,351,638
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	35,750	5,145,517	5,181,267
Other On-site Land Releases	1,981,029	25,382,383	27,363,412
Off-site Releases (Transfers Off-site to Disposal)*	5,257,672	9,040,516	14,298,188
<b>Total On- and Off-site Releases</b>	<b>53,902,258</b>	<b>53,398,170</b>	<b>107,300,428</b>
Recycled On-site	461,741,175	3,949,483	465,690,658
Recycled Off-site	54,051,753	2,014,448	56,066,201
Energy Recovery On-site	73,648,246	0	73,648,246
Energy Recovery Off-site	14,236,094	25,186,727	39,422,821
Treated On-site	108,285,284	18,716,484	127,001,768
Treated Off-site**	14,812,906	1,388,505	16,201,411
Quantity Released On- and Off-site***	59,871,574	53,624,845	113,496,419
<b>Total Production-related Waste Managed</b>	<b>786,647,032</b>	<b>104,880,492</b>	<b>891,527,524</b>
<b>Total Non-production-related Waste Managed</b>	<b>92,491</b>	<b>84</b>	<b>92,575</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	47,985,282	214,200	48,199,482
Energy Recovery	13,369,028	25,194,140	38,563,168
Treatment	10,004,969	2,034,709	12,039,678
Publicly Owned Treatment Works (POTWs)	5,286,704	4,117	5,290,821
Metals and Metal Compounds*	43,438	5	43,443
Non-metal TRI Chemicals**	5,243,266	4,112	5,247,378
Other Off-site Transfers****	30,430	0	30,430
Off-site Transfers to Disposal (not including metals to POTWs)	11,007,592	9,051,009	20,058,601
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>87,684,005</b>	<b>36,498,175</b>	<b>124,182,180</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

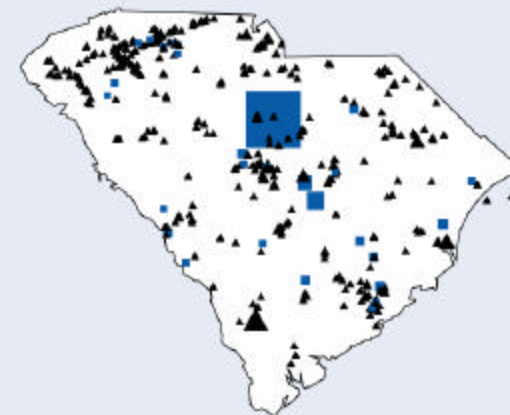
Michael Juras  
(803) 898-4385  
Fax: (803) 898-4117

#### EPA Regional Contact:

Ezequiel Velez  
(404) 562-9191  
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#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531  
Fax: (202) 401-2347



■ New industry  
▲ Original industry

The largest marker in the state map represents the largest facility for on-site releases in the state of South Carolina. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	3,835,962
Square Miles	30,111
Total Facilities	509
Total Forms	2,140
Form As	291

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	18	20	20
Pounds	53,902,258	53,398,170	107,300,428
<b>National Rank for Total On-site Releases**</b>			
Rank	17	21	23
Pounds	48,644,586	44,357,654	93,002,240
<b>National Rank for Total Releases within State***</b>			
Rank	17	20	20
Pounds	54,181,824	53,024,915	107,206,739
<b>National Rank for Production-related Waste Managed</b>			
Rank	10	13	13
Pounds	786,647,032	104,880,492	891,527,524

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1998 Toxics Release Inventory

# SOUTH CAROLINA

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	14,225,053	221,733	0	122,305	12,667	14,581,758	28,191	9,768	2,947
—	Zinc compounds	33,269	129,213	0	239,199	4,865,529	5,267,210	188,460	643,814	4,296,916
108-88-3	Toluene	5,257,937	300	0	483	3,718	5,262,438	215,309	3,159	572
7664-41-7	Ammonia	2,615,002	181,535	0	79,185	46,155	2,921,877	3,612	46,079	76
—	Nitrate compounds	1,031	2,239,949	0	97,121	62	2,338,163	6	62	0
—	Manganese compounds	18,077	280,749	0	619,005	1,049,316	1,967,147	187,976	405,781	649,771
7647-01-0	Hydrochloric acid	1,964,221	0	0	0	0	1,964,221	0	0	0
75-09-2	Dichloromethane	1,928,135	1,050	0	2,000	0	1,931,185	10,257	0	0
108-95-2	Phenol	1,736,440	2,701	0	11,335	2,945	1,753,421	102	2,036	909
78-93-3	Methyl ethyl ketone	1,290,435	998	0	23,143	28,023	1,342,599	9,726	25,023	3,000

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	10,885,443	0	0	0	0	10,885,443	0	0	0
—	Manganese compounds	43	0	0	10,548,021	20	10,548,084	10	20	0
107-21-1	Ethylene glycol	488	0	0	1,493	8,588,933	8,590,914	0	8,583,334	5,599
—	Barium compounds	913	1,200	0	7,315,805	2,940	7,320,858	1,042	135	2,805
7664-93-9	Sulfuric acid	1,846,531	0	0	64,304	0	1,910,835	0	0	0
8001-58-9	Creosote	553	0	0	1,564,017	0	1,564,570	0	0	0
—	Chromium compounds	21	0	0	1,537,300	1,129	1,538,450	4,626	0	1,129
—	Arsenic compounds	905	5	0	1,213,600	166	1,214,676	900	0	166
—	Zinc compounds	54	0	0	1,074,012	2,170	1,076,236	1,793	3	2,167
—	Cyanide compounds	24,019	0	0	1,000,000	0	1,024,019	0	0	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1998 Toxics Release Inventory

# SOUTH CAROLINA

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
International Paper, Hampton, Hampton	6,242,529	228	0	0	0	0	6,242,757	0	319
International Paper, Georgetown Mill, Georgetown, Georgetown	2,999,946	178,580	0	0	0	0	3,178,526	230,700	0
Intertape Polymer Group Anchor, Columbia, Richland	3,016,069	0	0	0	0	0	3,016,069	814	0
Westvaco Corp. Kraft Div., North Charleston, Charleston	2,653,749	52,381	0	0	0	0	2,706,130	127,623	0
Stone Container Corp., Florence, Florence	2,189,104	32,355	0	0	0	317,212	2,538,671	0	0
International Paper, Eastover, Richland	1,580,865	407,750	0	0	0	455,900	2,444,515	0	0
Bowater Inc. Coated Paper & Pulp Div., Catawba, York	1,130,265	311,985	0	0	0	168,516	1,610,766	0	0
Albemarle Corp., Orangeburg, Orangeburg	1,002,568	231,748	0	0	0	340,910	1,575,226	0	0
Eastman Chemical Co., Carolina Eastman Div., Cayce-West Columbia, Lexington	1,408,841	22,279	0	0	0	34,900	1,466,020	0	0
Devro-Teepak Inc., Swansea, Calhoun	1,100,000	185,000	0	0	0	0	1,285,000	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Kennecott Ridgeway Mining Co., Ridgeway, Fairfield	24,000	0	0	0	0	22,993,000	23,017,000	0	0
Safety-Kleen (Pinewood), Pinewood, Sumter	1,628	0	0	0	5,145,517	2	5,147,147	0	0
South Carolina Electric & Gas Co. — Wateree Station, Eastover, Richland	3,372,330	0	0	0	0	530,311	3,902,641	690	0
Winyah Generating Station, Georgetown, Georgetown	1,651,476	5	0	0	0	207,100	1,858,581	0	0
McMeekin Station — South Carolina Electric & Gas Co., Columbia, Lexington	1,315,420	0	0	0	0	93,035	1,408,455	0	0
Williams Station — Genco, Goose Creek, Berkeley	1,402,829	0	0	0	0	0	1,402,829	19,696	41
Canadys Station South Carolina Electric & Gas Co., Canadys, Colleton	1,157,878	324	0	0	0	174,689	1,332,891	0	0
Cross Generating Station, Pineville, Berkeley	478,982	0	0	0	0	723,100	1,202,082	0	0
Jefferies Generating Station, Moncks Corner, Berkeley	1,091,000	0	0	0	0	0	1,091,000	0	0
H.B. Robinson Steam Electric Plt., Hartsville, Darlington	978,560	0	0	0	0	110,000	1,088,560	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1998 Toxics Release Inventory

## SOUTH CAROLINA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
International Paper, Hampton, Hampton	7,665	0	0	42,445	0	82,749	6,243,086	6,375,945	0
Nucor Steel, Huger, Berkeley	0	144,833	0	0	0	0	5,182,524	5,327,357	0
International Paper, Georgetown Mill, Georgetown, Georgetown	0	0	0	0	8,753,578	0	3,440,779	12,194,357	0
Intertape Polymer Group Anchor, Columbia, Richland	15,742,634	0	0	102,929	790,000	540	3,016,075	19,652,178	0
Westvaco Corp. Kraft Div., North Charleston, Charleston	0	0	5,703,140	1,100	5,340,480	0	2,815,760	13,860,480	0
Stone Container Corp., Florence, Florence	0	0	721,862	0	4,479,825	0	2,538,671	7,740,358	0
International Paper, Eastover, Richland	0	0	571,730	0	5,632,700	0	2,429,080	8,633,510	0
Nucor Steel, Darlington, Darlington	0	5,462,822	0	0	0	0	2,046,886	7,509,708	0
Albemarle Corp., Orangeburg, Orangeburg	54,300,000	0	1,778,000	981,000	9,219,000	391,000	1,562,820	68,231,820	0
Bowater Inc. Coated Paper & Pulp Div., Catawba, York	0	0	156,003	0	16,958,528	0	1,535,751	18,650,282	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Kennecott Ridgeway Mining Co., Ridgeway, Fairfield	0	0	0	0	0	0	22,680,000	22,680,000	0
Southeastern Chemical & Solvent Co. Inc., Sumter, Sumter	3,030,569	1,800,700	0	24,592,151	0	920,408	9,500,816	39,844,644	0
Safety-Kleen (Pinewood), Pinewood, Sumter	0	0	0	0	0	587	5,147,195	5,147,782	0
South Carolina Electric & Gas Co. — Wateree Station, Eastover, Richland	0	0	0	0	0	0	3,903,331	3,903,331	0
Winyah Generating Station, Georgetown, Georgetown	0	0	0	0	1,275,500	0	1,888,576	3,164,076	0
Williams Station — Genco, Goose Creek, Berkeley	0	0	0	0	0	0	1,422,566	1,422,566	0
McMeekin Station — South Carolina Electric & Gas Co., Columbia, Lexington	0	0	0	0	0	0	1,408,454	1,408,454	0
Canadys Station South Carolina Electric & Gas Co., Canadys, Colleton	0	0	0	0	0	0	1,332,892	1,332,892	0
Cross Generating Station, Pineville, Berkeley	0	0	0	0	4,651,100	0	1,202,082	5,853,182	0
Jefferies Generating Station, Moncks Corner, Berkeley	0	0	0	0	313,900	0	1,091,000	1,404,900	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.